



Missouri  
Department of  
Natural Resources

**Dogwood Power Management, LLC**  
**Power Plant Name: Dogwood Energy Facility**  
**Electric Generation and Emissions in 2011**

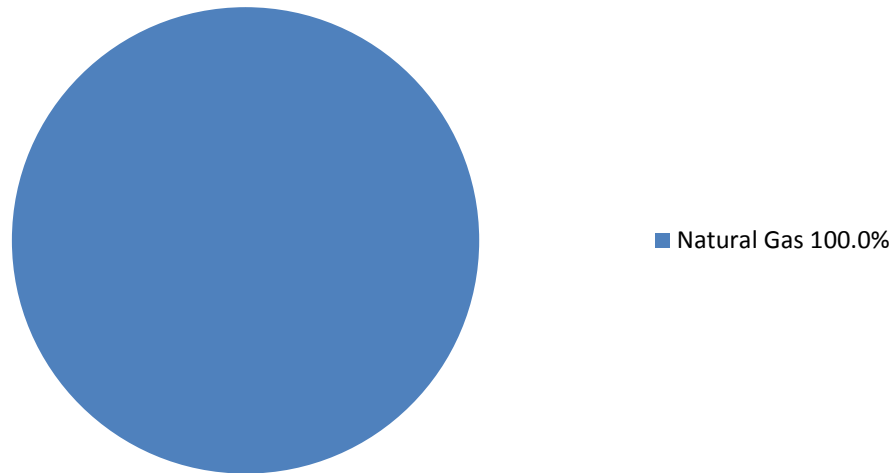
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
<b>Non-renewable sources</b>						
Coal						
Natural Gas	6,031,632	100.0%	100.0%	796,855	100.0%	100.0%
Petroleum						
Nuclear						
Other						
<b>Non-renewable total</b>	<b>6,031,632</b>	<b>100.0%</b>	<b>100.0%</b>	<b>796,855</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
<b>Renewable total</b>						
<b>Grand total</b>	<b>6,031,632</b>		<b>100.0%</b>	<b>796,855</b>		<b>100.0%</b>

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	5,986,897



## Net Generation by Fuel Type, 2011 for Dogwood Energy Facility





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Power Plant Nameplate information for Dogwood Energy Facility

<b>Plant Name</b>	<b>County Location</b>	<b>Generator</b>	<b>Generator Type</b>	<b>Generator Status</b>	<b>Nameplate Capacity (MW)</b>
<i>Dogwood Energy Facility</i>		<i>All Operating Generators</i>			<i>2,708.0</i>
Dogwood Energy Facility	Cass	ST-1	Combined Cycle Steam Part	Operating - in service	795.0
Dogwood Energy Facility	Cass	CT-1	Combined Cycle Combustion Turbine Part (type of coal or solid must be reported as energy source for integrated coal gasification).	Operating - in service	618.0
Dogwood Energy Facility	Cass	CT-2	Combined Cycle Combustion Turbine Part (type of coal or solid must be reported as energy source for integrated coal gasification).	Operating - in service	618.0
Dogwood Energy Facility	Cass	ST-1	Combined Cycle Steam Part	Operating - in service	265.0
Dogwood Energy Facility	Cass	CT-1	Combined Cycle Combustion Turbine Part (type of coal or solid must be reported as energy source for integrated coal gasification).	Operating - in service	206.0
Dogwood Energy Facility	Cass	CT-2	Combined Cycle Combustion Turbine Part (type of coal or solid must be reported as energy source for integrated coal gasification).	Operating - in service	206.0



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Emissions from Electricity Generated in 2011: Dogwood Energy Facility

	<b>CO2 Equivalent (TONS)</b>	<b>Carbon Dioxide (CO2) (TONS)</b>	<b>Methane (CH4) (TONS)</b>	<b>Nitrogen Dioxide (NO2) (TONS)</b>
Dogwood Energy Facility	2,792,998	1,410,062	26,595	2,659

	<b>Sulfur Dioxide (SO2) (TONS)</b>	<b>Annual Nitrogen Oxide (NOx) (TONS)</b>	<b>Summer Nitrogen Oxide (NOx) (TONS)</b>
Dogwood Energy Facility	0	0.0001	0.0001

Identified Flue Gas Desulfurization (FGD) controls installed on Dogwood Energy Facility power plant

<b>Plant</b>	<b>Control Equipment</b>	<b>Sorbent Type</b>
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Dogwood Energy Facility power plant

<b>Plant</b>	<b>Control Equipment</b>
	No FGP Controls Installed



## Missouri Department of Natural Resources

### **Notes:**

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,  
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>